SFX

SS-350SFE Active PFC
SS-300SFE Active PFC

Design Guide: SFX12V v3.1 **Active PFC: (PF=99%)**

DC Outputs & Features

Model	DC outputs						Total Power	Input type
	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb		
SS-350SFE Active PFC	20A	20A	18A	18A	0.8A	2A	350W	Full range Fixed 220V
	125W/28A[1]		312W[2]					
SS-300SFE Active PFC	20A	20A	8A	14.5A	0.8A	2A	300W	Full range Fixed 220V
	125W/28A[1]		270W[2]					

Safety: CUL,TUV,CB,,CCC*SEMKO,*BSMI
EMI/EMC: CE,FCC,*C-tick
*SS-300SFE Active PFC only

SS-300SFD Active PFC

Design Guide: SFX12V v3.1 **Active PFC: (PF=99%)**

DC Outputs & Features

Model	DC outputs						Total Power	Input type
	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb		
SS-300SFD Active PFC	20A	20A	8A	14.5A	0.8A	2A	300W	Full range Fixed 220V
	125W/28A[1]		270W[2]					

Safety: CUL,TUV,CB,CCC,SEMKO,BSMI
EMI/EMC: CE,FCC,C-tick

Remark: 1.Combined+3.3V DC & +5V DC maximum power 2.+12V maximum power

specification may change without prior notice

Seasonic has been dedicated to the design and manufacture of light quality switch mode power supply since 1975.

- A Seasonic power supply was the first to be 80 PLUS® certified.
- Seasonic is the first to offer 80 PLUS performance in every power supply we offer.
- Seasonic is passionate about its commitment to preserving and enhancing the global environment.
- With Seasonic Green Technology, our customers gain tangible benefits from energy saving and improvements in product reliability.

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Seasonic®
Since - 1975

Seasonic's Complete Line of 80 PLUS® Power Supply

Guaranteed Highest Energy Efficiency for Every Class of Computer

From the ATX12V powerhouse to the compact SFX12V, each and every model in Seasonic's power supply lineup is certified 80 PLUS, the toughest voluntary efficiency testing program in the world.

The reduction of energy consumption with each 80 PLUS power supply means direct savings in electricity expenses, cooler operation, and improvements in computer reliability. Whether you're building a SFF media PC, a high end gaming PC or an enterprise-class server, we have a Seasonic 80 PLUS power supply that's ideal for you.

Explore a new era of energy efficiency in computers with Seasonic's 80 PLUS power supplies.

Green Innovation Powers Your Life

What is the 80 PLUS® certification

"The 80 PLUS performance specification requires power supplies in computers and servers to be 80% or greater energy efficient at 20%, 50%, and 100% of rated load with a true Power Factor of 0.9 or greater. This makes an 80 PLUS certified power supply substantially more efficient than ordinary power supplies"

New ENERGY STAR Specification Adopts 80 PLUS®

The EPA (US Environment Protection Agency) has drafted updated requirements for computers that include 80 PLUS efficiency levels in the international recognized ENERGY STAR program. The new requirements are expected to take effect in late 2007. Consumers will soon associate ENERGY STAR and 80 PLUS as basic requirements for an energy efficient, cool, and quiet computer.

Benefits of Seasonic 80 PLUS® Power Supplies

Energy Benefits:

Direct Saving - A Seasonic 80 PLUS power supply can save 85 kWh per desktop PC per year, and 300 kWh per server per year.

Non-Energy Benefits:

Increased Reliability - Reduced heat output of high efficiency Seasonic 80 PLUS power supplies improves PC reliability by up to 40%

Air-Condition Savings - Upgrading to computers with Seasonic 80 PLUS power supplies will reduce building cooling loads.

Decreased Maintenance - Increase reliability reduces costly repairs, IT support and lost worker productivity.

Peak Reduction - Save 16W on desk-top PCs and 34W on servers during peak demand periods.

Lower TCO for PC Networks - Increase reliability of PCs, decreased maintenance and lengthened equipment life combined with energy savings to reduce total cost of ownership.

Improved Power Quality - Seasonic 80 PLUS power supplies have 0.99 power factor, which reduces current demand by 50%, so that up to twice as many computers can be placed on the same branch circuit.

Increased Comfort - Reduced heat minimize the need for noisy cooling fans. Seasonic's buil in Smart& Silent Fan Control automatically optimizes the fan speed for different ambient temperature for a quieter and more comfortable environmentfor work or play.

ATX

Dimension: W150 x L140 xH86mm (5.9" x 5.5" x 3.4")

SS-650JS Active PFC
SS-550JS Active PFC

Design Guide: ATX12V v2.2 & EPS12V v2.9 — **Active PFC: (PF=99%)**

DC Outputs & Features

Model	DC outputs							Total Power	Input type
	+3.3V	+5V	+12V1	+12V2	+12V3	-12V	+5Vsb		
SS-650JS Active PFC	24A	30A	18A	18A	18A	0.8A	3A	650W	Full range
	170W[1]			52A[2]		9.6W	15W		
SS-550JS Active PFC	24A	24A	18A	18A	18A	0.8A	3A	550W	Full range
	140W[1]			42A[2]		9.6W	15W		

Safety: CUL,TUV,CB
EMI/EMC: CE,FCC,C-tick

Dimension: W150 x L140 xH86mm (5.9" x 5.5" x 3.4")

SS-650JT Active PFC
SS-550JT Active PFC

Design Guide: ATX12V v2.2 & EPS12V v2.9 — **Active PFC: (PF=99%)**

DC Outputs & Features

Model	DC outputs							Total Power	Input type
	+3.3V	+5V	+12V1	+12V2	+12V3	-12V	+5Vsb		
SS-650JT Active PFC	24A	30A	18A	18A	18A	0.8A	3A	650W	Full range
	170W[1]			52A[2]		9.6W	15W		
SS-550JT Active PFC	24A	24A	18A	18A	18A	0.8A	3A	550W	Full range
	140W[1]			42A[2]		9.6W	15W		

Safety: CUL,TUV,CB
EMI/EMC: CE,FCC,C-tick

Dimension: W150 x L140 xH86mm (5.9" x 5.5" x 3.4")

SS-500ET Active PFC
SS-400ET Active PFC
SS-350ET Active PFC
SS-300ET Active PFC

Design Guide: ATX12V v2.2 — **Active PFC: (PF=99%)**

DC Outputs & Features

Model	DC outputs						Total Power	Input type
	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb		
SS-500ET Active PFC	24A	24A	17A	17A	0.8A	2.5A	500W	*Full range Fixed 220V
	130W[1]			408W[2]	9.6W	12.5W		
SS-400ET Active PFC	20A	20A	17A	17A	0.8A	2.5A	400W	*Full range Fixed 220V
	130W[1]			360W[2]	9.6W	12.5W		
SS-350ET Active PFC	20A	20A	17A	17A	0.8A	2.5A	350W	*Full range Fixed 220V
	130W[1]			324W[2]	9.6W	12.5W		
SS-300ET Active PFC	18A	20A	17A	17A	0.8A	2.5A	300W	*Full range Fixed 220V
	120W[1]			288W[2]	9.6W	12.5W		

Safety: CUL,TUV,CB,CCC,D,N,S,FI,*BSMI(Full Range Only)
EMI/EMC: CE,FCC,C-tick

Dimension: W150 x L140 xH86mm (5.9" x 5.5" x 3.4")

SS-500ES Active PFC
SS-400ES Active PFC
SS-350ES Active PFC
SS-300ES Active PFC

Design Guide: ATX12V v2.2 — **Active PFC: (PF=99%)**

DC Outputs & Features

Model	DC outputs						Total Power	Input type
	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb		
SS-500ES Active PFC	24A	24A	17A	17A	0.8A	2.5A	500W	Full range Fixed 220V
	130W[1]			408W[2]	9.6W	12.5W		
SS-400ES Active PFC	20A	20A	17A	17A	0.8A	2.5A	400W	Full range Fixed 220V
	130W[1]			360W[2]	9.6W	12.5W		
SS-350ES Active PFC	20A	20A	17A	17A	0.8A	2.5A	350W	Full range Fixed 220V
	130W[1]			324W[2]	9.6W	12.5W		
SS-300ES Active PFC	18A	20A	17A	17A	0.8A	2.5A	300W	Full range Fixed 220V
	120W[1]			288W[2]	9.6W	12.5W		

Safety: CUL,TUV,CB,CCC,D,N,S,FI
EMI/EMC: CE,FCC,C-tick

Remark: 1.Combined+3.3V DC & +5V DC maximum power 2.+12V maximum power